

**ED25/ED2500/ED2620/ED27**  
**Series Environmental Domes**

**Installation/Operation Manual**

**C437M-B (9/95)**

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## REVISION HISTORY

<b>Manual #</b>	<b>Date</b>	<b>Comments</b>
C437M-A	10/94	Incorporated addendum covering Section 3.3.3, Video Synchronization, Alarm Terminal Diagram and Figure 11. Incorporated addendum covering Figure 6, DD2000/DD2000-SL Wiring Diagram.
C437M-B	9/95	Updated Figure 4 and Section 11 to show two (2) 40 Watt heaters per ECO 95-207. Updated Figure 6 to show correct wiring.
	1/96	Figure references in Section 4.0 revised.

**INSTALLATION/OPERATION MANUAL  
ED25/ED2520/ED2620/ED27/ED2720  
SERIES ENVIRONMENTAL DOMES**

**CAUTION:**

This device is designed to operate at 24 volts AC power. Input voltage must not exceed 28 volts or drop below 22 volts or else  
**DAMAGE TO THE MOTORS  
WILL OCCUR.**

Should you need technical assistance, please call (800) 289-9100.

**1.0 WARNINGS**

Prior to installation and use of this product, the following WARNINGS should be observed.

1. Installation and servicing should only be done by Qualified Service Personnel and conform to all Local codes.
2. Unless the unit is specifically marked as a NEMA Type 3-6P enclosure, it is designed for Indoor use only and it must not be installed where exposed to rain and moisture.
3. The product bears the following marks:
  4. Only use replacement parts recommended by PELCO.
  5. After replacement/repair of this unit's electrical components, conduct a resistance measurement between line and exposed parts to verify the exposed parts have not been connected to line circuitry.

**This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.**



**This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.**



**CAUTION:**

TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

**CAUTION:**

RISK OF ELECTRIC SHOCK.  
DO NOT OPEN.

**Please thoroughly familiarize yourself with the information in this manual prior to installation and operation.**

## 2.0 SCOPE

The information contained in this manual covers the ED25/ED2520/ED2620/ED27/ED2720 Series Environmental Domes.

## 2.1 DESCRIPTION

The ED25/ED2520/ED2620/ED27/ED2720 Series of environmental domes have been designed primarily for outdoor applications, but also can be used indoors. The 14-inch diameter black opaque lower dome has a smoked viewing window with less than 1 f-stop light loss. This provides for effective camouflage of the CCTV security/surveillance system without compromising the quality of the video picture.

The **ED25/ED27 Series** can be ordered as a dome only or with factory installed heater/blower and service light. Other options include factory assembled integral pan/tilt and/or Coaxitron/Wiretron receiver/driver.

The **ED25 Series** is designed for flush mount or pendant mount applications.

The **ED2620 Series** is a pendant mount dome with integral pan/tilt and is designed specifically for hard-wire control applications.

The **ED27 Series** includes an integral arm and can be used for wall, parapet, or universal mount applications.

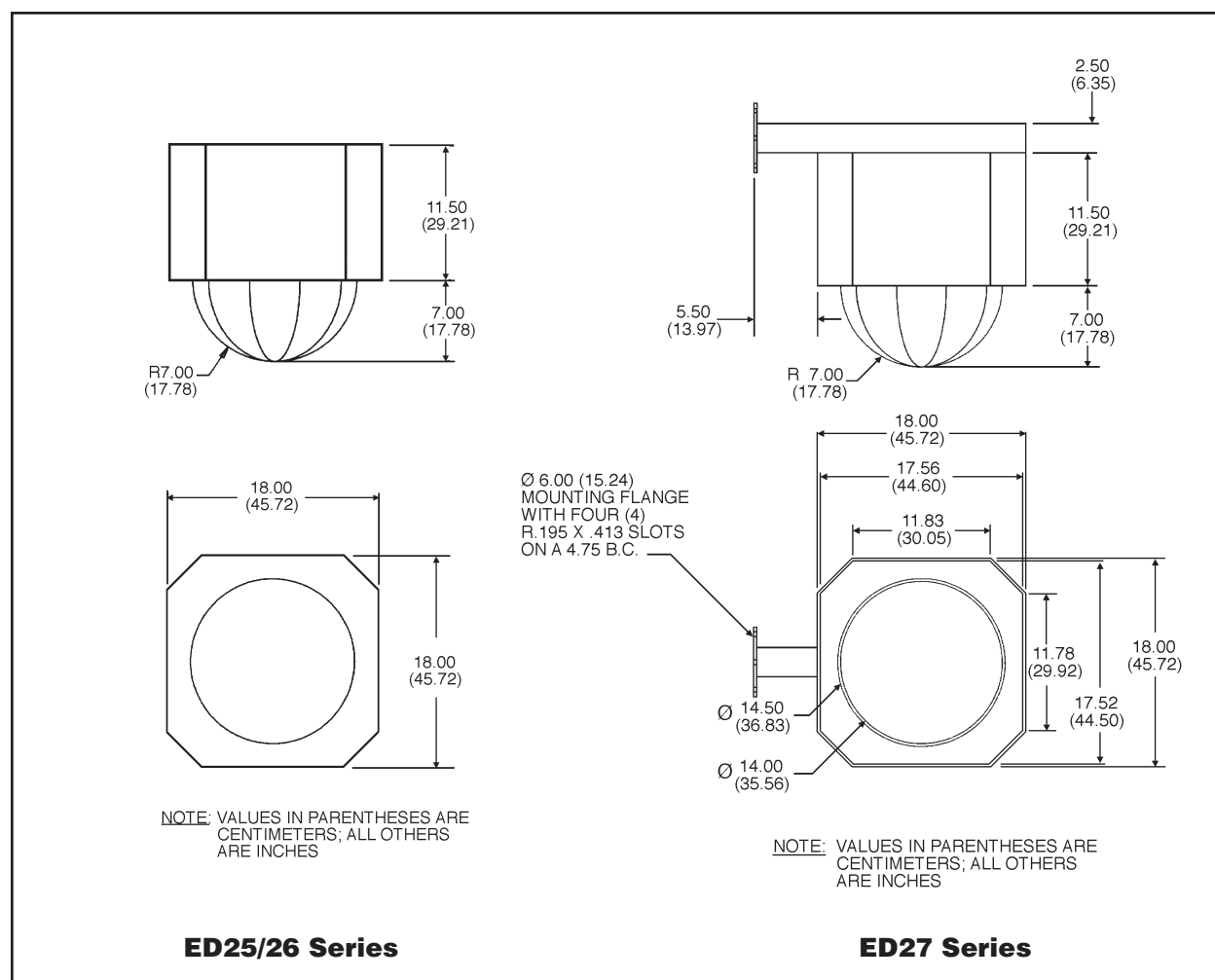


Figure 1. Dimension Drawings

### 3.0 INSTALLATION

**CAUTION:** Make certain that the mounting surface is capable of supporting the full load of the mount, pan/tilt, camera/lens and enclosure

- Handle the lower dome with care so as not to scratch or get fingerprints on the viewing window.
- When installing the unit, loosen the two (2) fasteners and remove the pan/tilt or camera mount to reduce the total weight of the enclosure.
- When the pan/tilt or camera mount is removed, install the camera/lens and make sure the electrical connections to the pan/tilt (camera power, lens power and video) are made.
- When closing the enclosure, be sure the drive tab on the dome engages the slot on the drive arm of the pan/tilt.

**WARNING:** Do not rotate pan/tilt by hand. Rotate by controller only.

### 3.1 MOUNTING

The ED25/ED2520/ED2620 Series of environmental domes can be installed by using one of the following mounts:

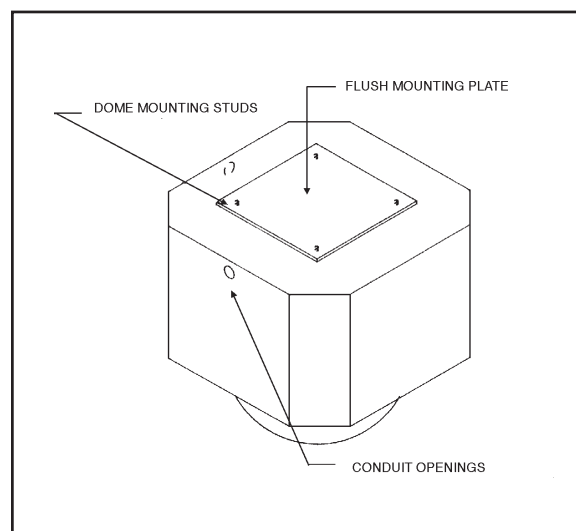
- FMED25 Flush mount adapter. Adapts dome to ceiling. Required for all flush mount applications.
- PAED25 Discontinued. (Use PA102 with ED27 Series dome.)
- PMED25 Pendant mount adapter.
- UMED25 Discontinued.
- WMED25 Discontinued. (Use ED27 Series dome with integral mount.)

Mount the enclosure according the following directions for the selected mount.

#### 3.1.1 FMED25 Flush Mount Installation

To mount the enclosure using the FMED25 flush mount, perform the following steps. Refer to Figure 2.

1. Secure the FMED25 flush mounting plate to a suitable surface and secure with suitable fasteners (not supplied) capable of supporting the weight of the dome, pan/tilt, camera and lens. Due to the wide range of installations this mount could be used in, drilling of holes in the mounting plate will be required.
2. Install the provided gasket over the four (4) studs on the FMED25 mounting plate.
3. Align the four (4) studs in the FMED25 with the four (4) holes in the top of the dome. Then, secure the dome to the mounting plate by using the four (4) 1/4-20 nuts supplied with the mount.



**Figure 2. FMED25 Installation**

### 3.1.2 PMED25 Pendant Mount Installation

To mount the enclosure using the PMED25 pendant mount, perform the following steps. Refer to Figure 3.

1. Screw the PMED25 pendant mount to a suitable length of 1-1/2-inch MNPT threaded pipe which has been securely fastened to a surface capable of supporting the weight of the dome, pan/tilt, camera and lens.  
(The Pelco MRCA ceiling adapter is recommended for ceiling mounting applications.)
2. Install the provided gasket over the four (4) studs on the PMED25 mounting plate.
3. Align the four (4) studs in the PMED25 with the four (4) holes in the top of the dome. Then, secure the dome to the mounting plate by using the four (4) 1/4-20 nuts supplied with the mount.

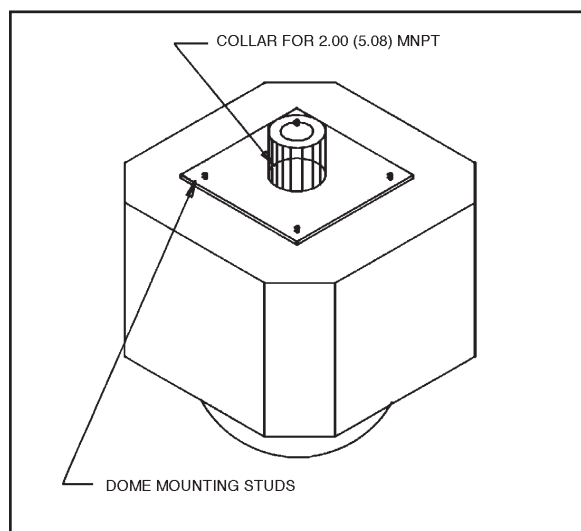


Figure 3. PMED25 Installation

### 3.1.3 ED27 Wall Mount Installation

The following installation instructions are for mounting the ED27 Series mount with integral wall mount arm to an appropriate surface.

1. Mount the mounting plate of the ED27 enclosure on a suitable surface and secure with suitable fasteners (not supplied) capable of supporting the weight of the dome, pan/tilt, camera and lens.

### 3.2 PAN/TILT INSTALLATION/REMOVAL

The following installation instructions are for removing/installing the pan/tilt assembly.

1. The pan/tilt is secured to the back box by two (2) 1/4-20 nuts which hold the pan/tilt mounting bracket to the integral studs on top of the back box.
2. To remove the pan/tilt, first position the pan/tilt by using the controller only so it is perpendicular with the mounting nuts. Then, use a 7/16" socket on a long extension to reach the nuts holding the pan/tilt.
3. The mounting nuts need not be removed, just loosened. Once the nuts have been loosened, slide the pan/tilt so the nuts fit through the "key holes".
4. To install the pan/tilt, reverse the procedure.

### 3.3 ELECTRICAL WIRING

The following installation instructions describe how to connect power to the camera, lens and pan/tilt.

1. The supply circuit should be connected to the input circuit board (pins 8, 9 & 10) as shown in Figure 7.
2. The pan/tilt and video connection to the receiver/driver are shown in Figure 8.
3. Basic motor wiring detail for the pan/tilt assembly is shown in Figure 9.
4. The dome drive pinouts for all models are shown in Figure 10. Select the appropriate model for your installation.

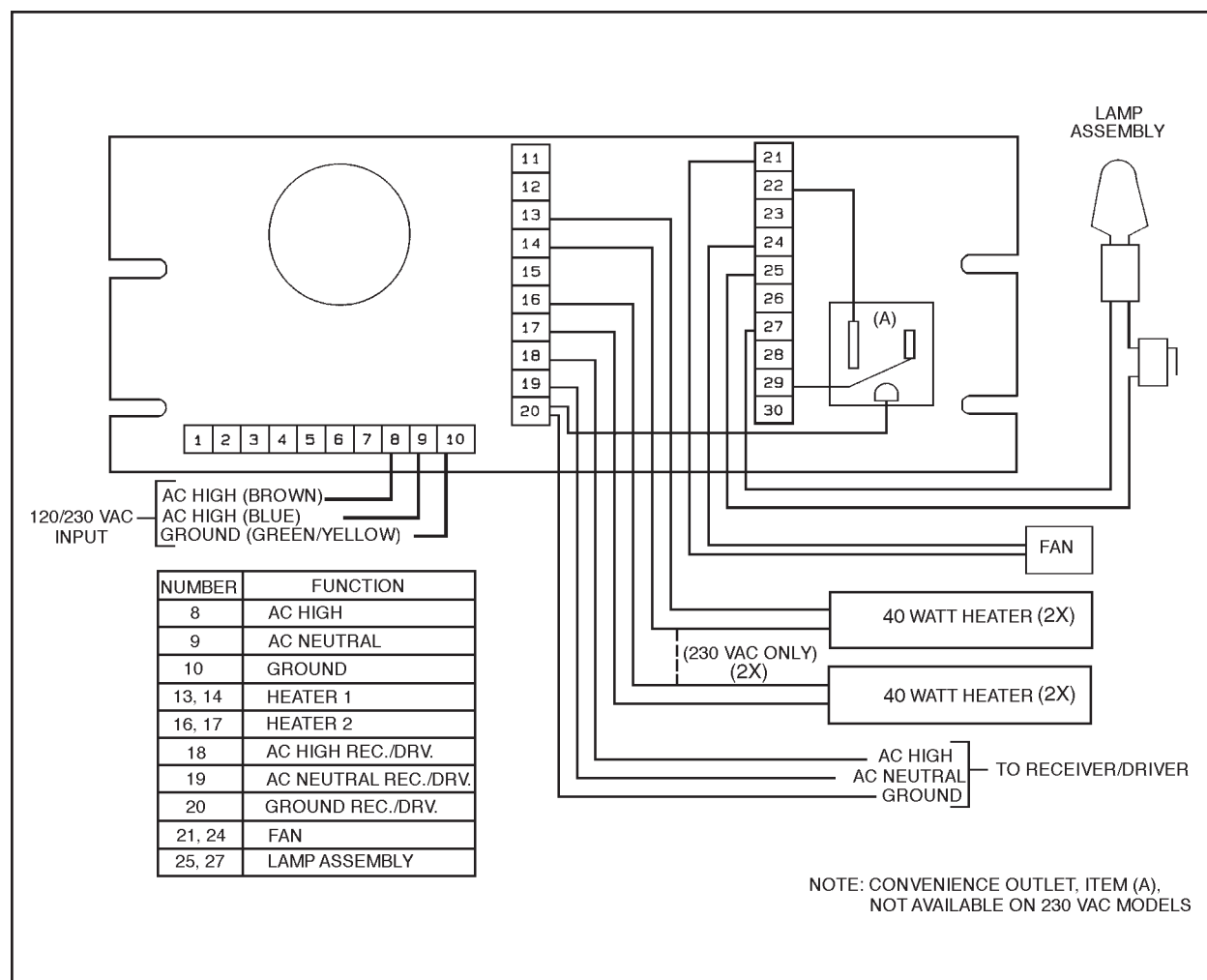
#### 3.3.1 Replacement Dome, Pan/Tilt Chart

Pan/Tilt	Dome Enclosure
DD2500	ED2520/ED2720
DD2500-PP	ED2520-PP/ED2720-PP
DD2500-SL	ED2520-SL/ED2720-SL
DD2500LS-PP	ED2520SL-PP/ED2720SL-PP

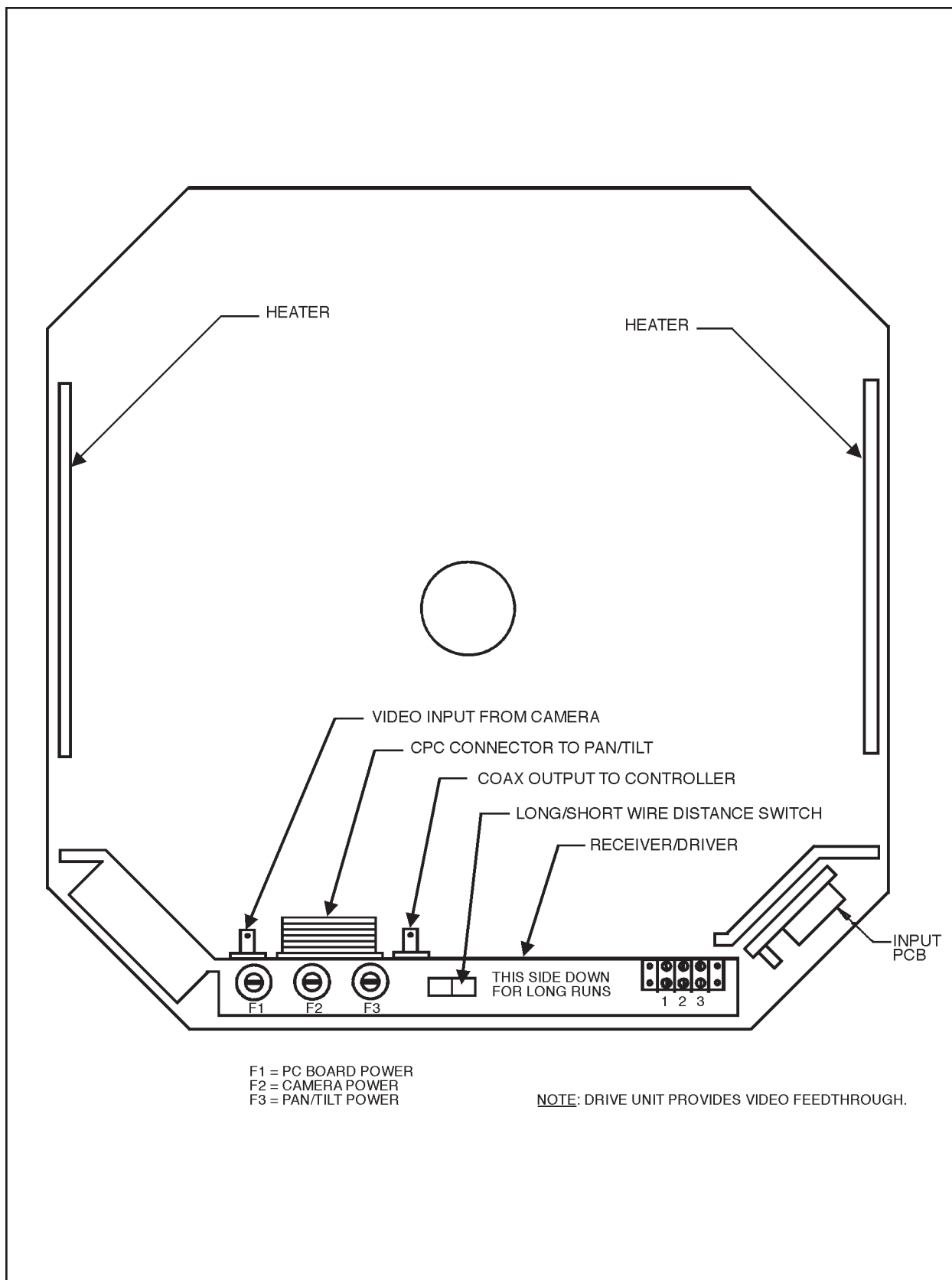
### 3.3.2 Conductor Requirements

The ED25/ED2520/ED27 Series environmental domes can be connected by a “hard-wire” system, Coaxitron or Wiretron system. The ED2620 Series dome is designed for hard-wire applications only. The distances for each of these system is as follows:

<u>Cable Size</u>	<u>Hard-wire Systems</u> <u>Max. Cable Distance</u>	<u>Coaxitron System</u> <u>Max. Cable Distance</u>	<u>Wiretron System</u> <u>Max. Cable Distance</u>
14 Awg	680 ft (207.3 m)	—	—
16 Awg	425 ft (129.54 m)	—	—
18 Awg	265 ft (80.77 m)	—	—
20 Awg	165 ft (50.29 m)	—	10 miles (16,093.44 m)
22 Awg	—	—	5 miles (8,046.72 m)
RG-59U	—	750 ft (228.6 m)	—
RG-11U	—	1,800 ft (548.64 m)	—
RG-6U	—	1,500 ft (457.2 m)	—



**Figure 4.** Power Supply Connection

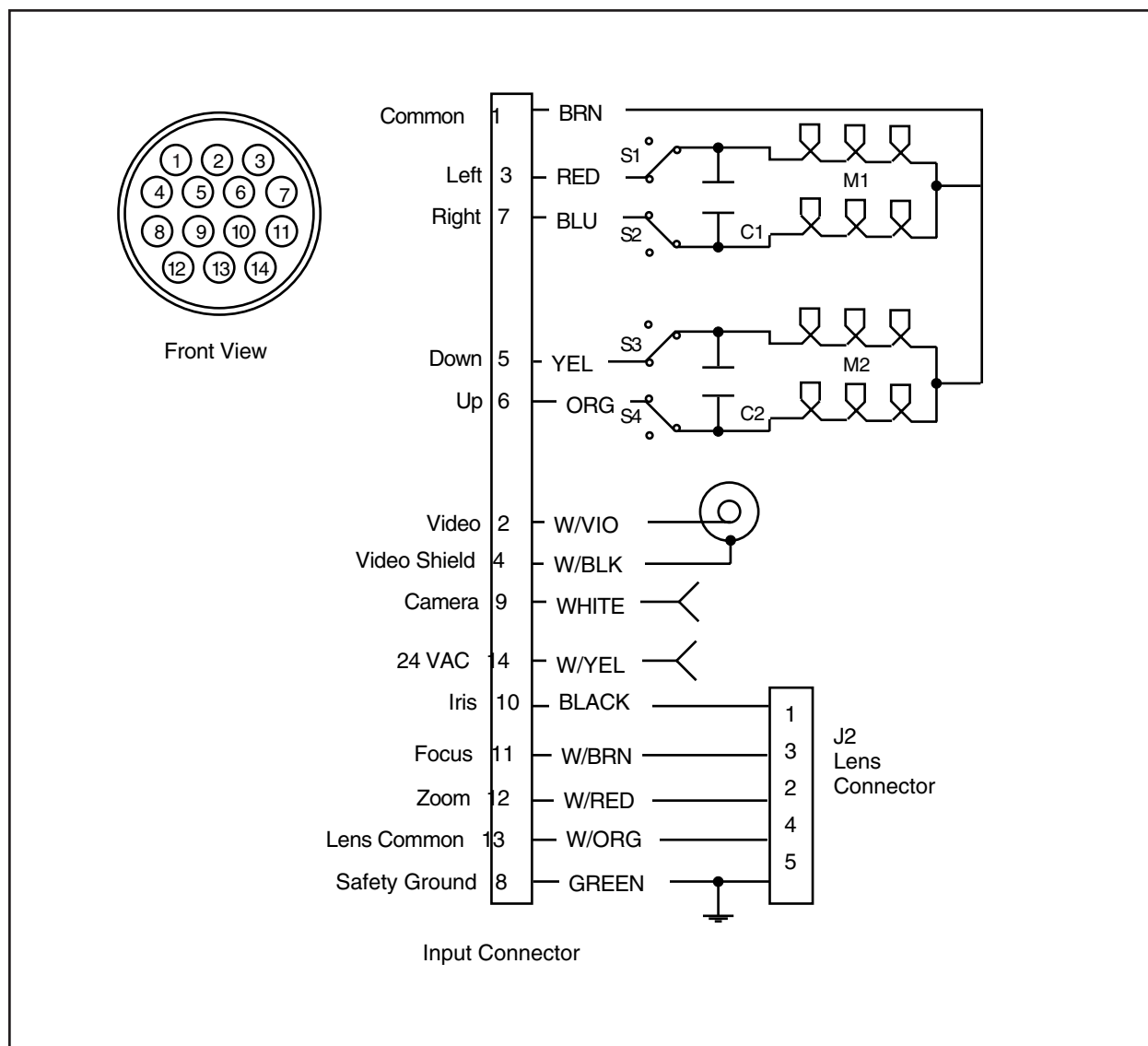


**Figure 5.** ED2520/ED2720 Series Receiver/Driver Wiring Diagram

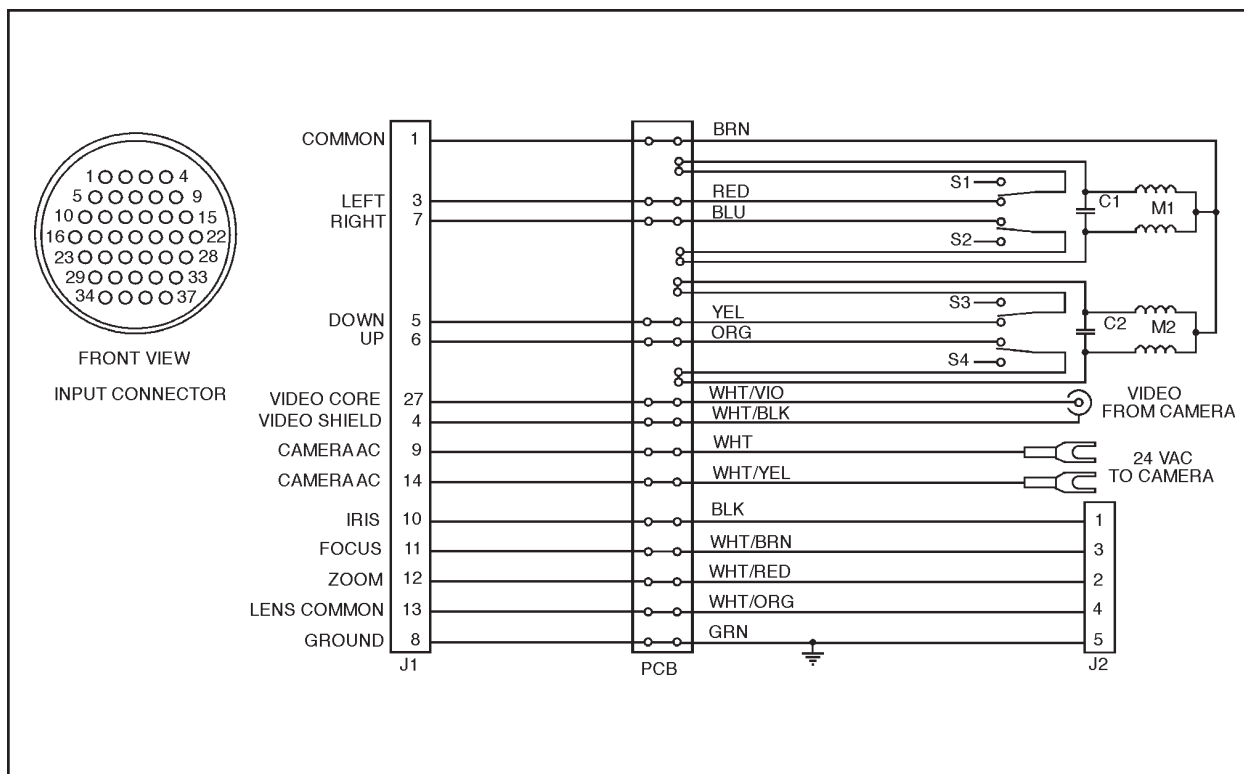


## ED2620/ED2620-SL Pan/Tilt Wiring Diagram

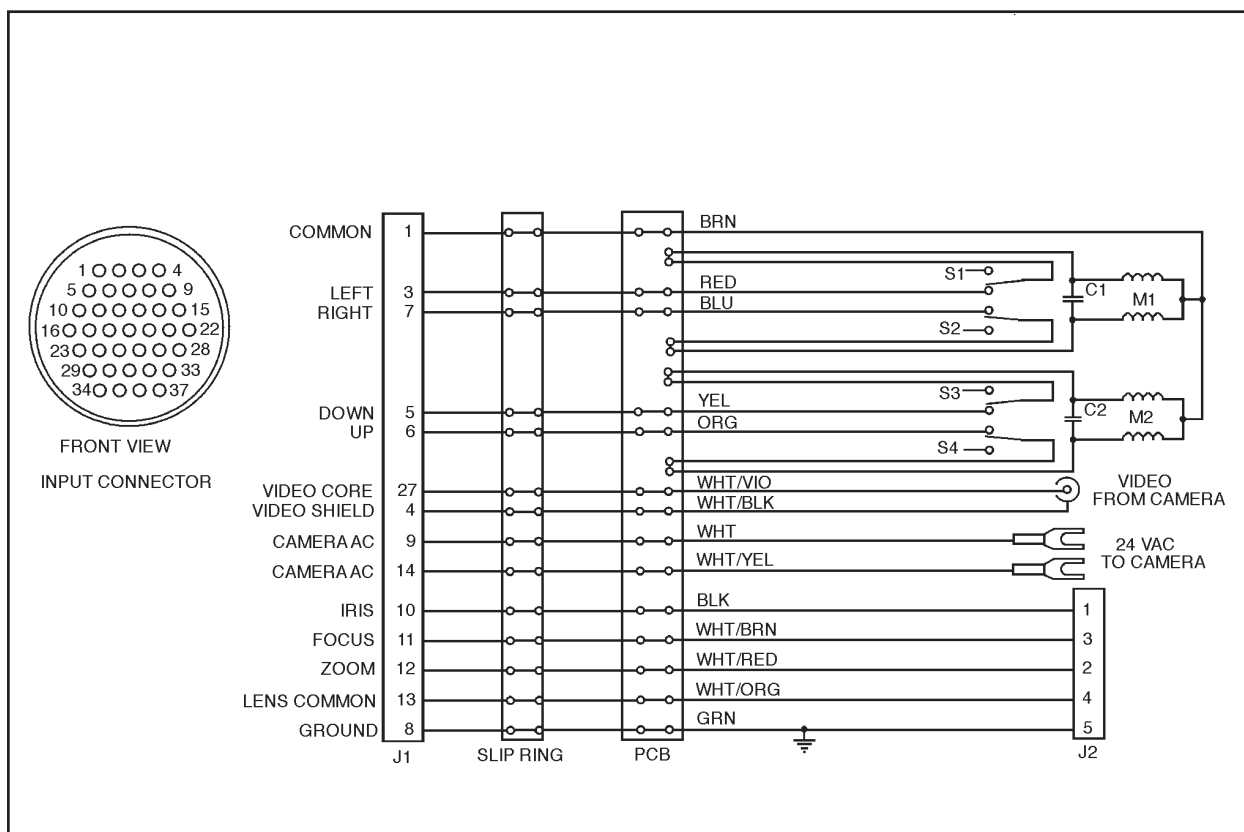
Qty	Sym	Description	Part Number
1	C1	Capacitor, 15 MFD 100 V	CAPU0015.0/100N
1	C2	Capacitor, 15 MFD 100V	CAPU0015.0/100N
1	M1	Pan Motor	PT350010010
1	M2	Tilt Motor	2508001
1	J2	Connector	CONMAB6100
14	—	Connector Pins	CON66102-7
4	S1-S4	Switch	SWI1SM1
1	—	Input Connector	CON206305-1
1	—	Mating Connector	SS1000ASSY
1	—	Actuator	SWIJS138B
1	—	Lens Mating Connector	CONMAS6100



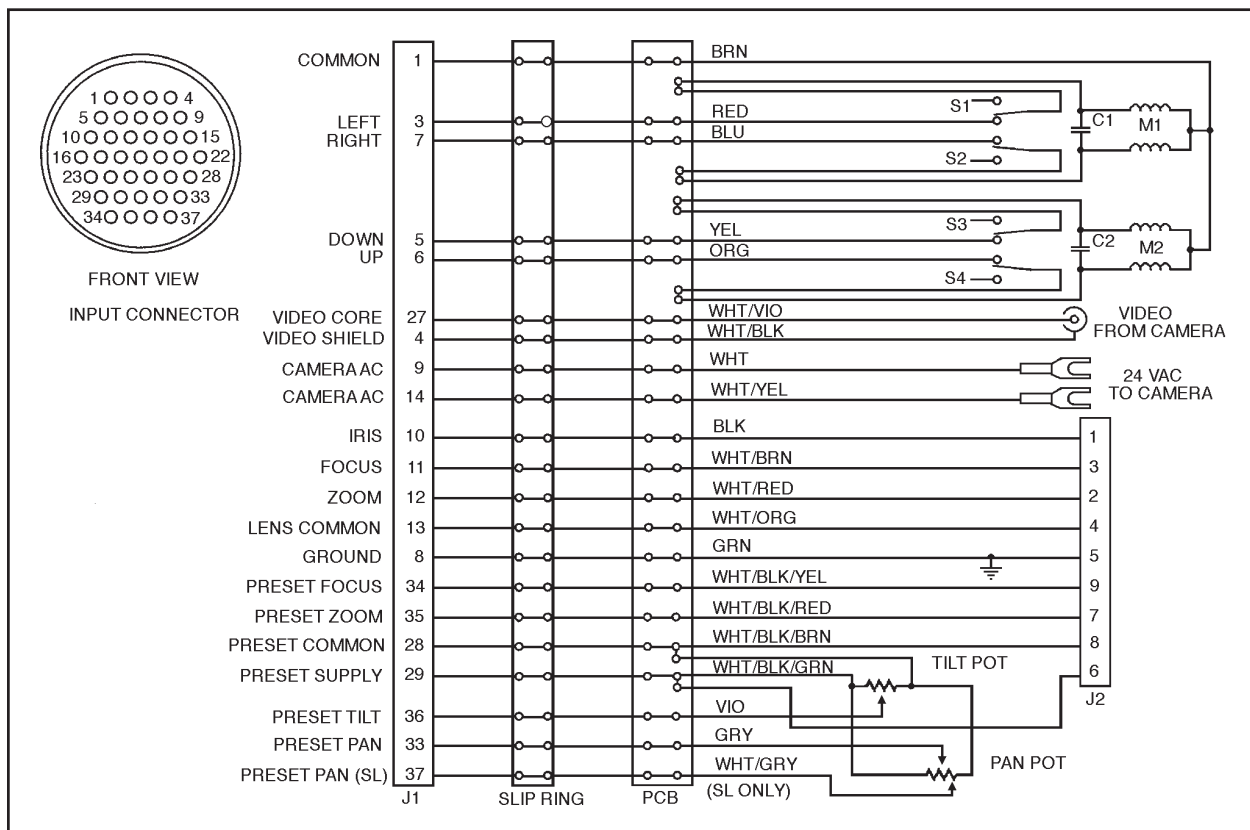
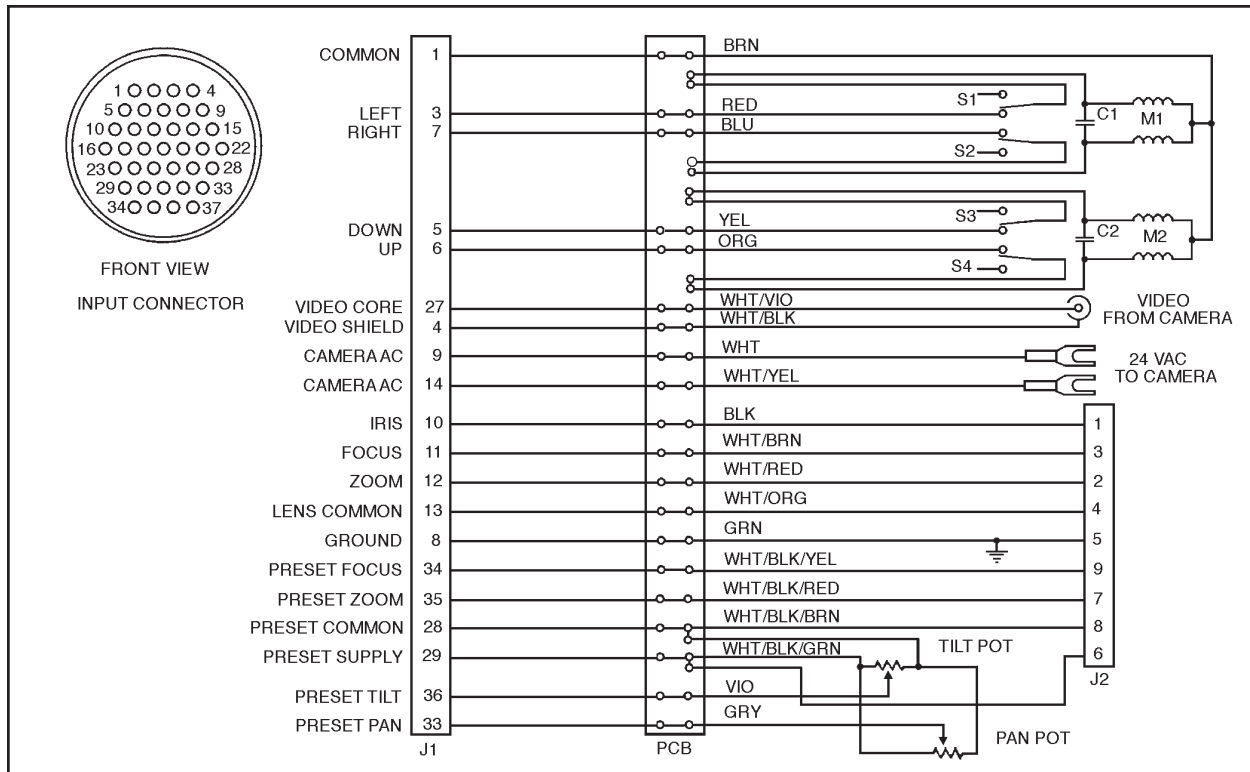
**Figure 6.** Wiring Diagram for ED2620/ED2620-SL Dome Drives



**Figure 7.** Wiring Diagram for ED2520/ED2720 Dome Drives



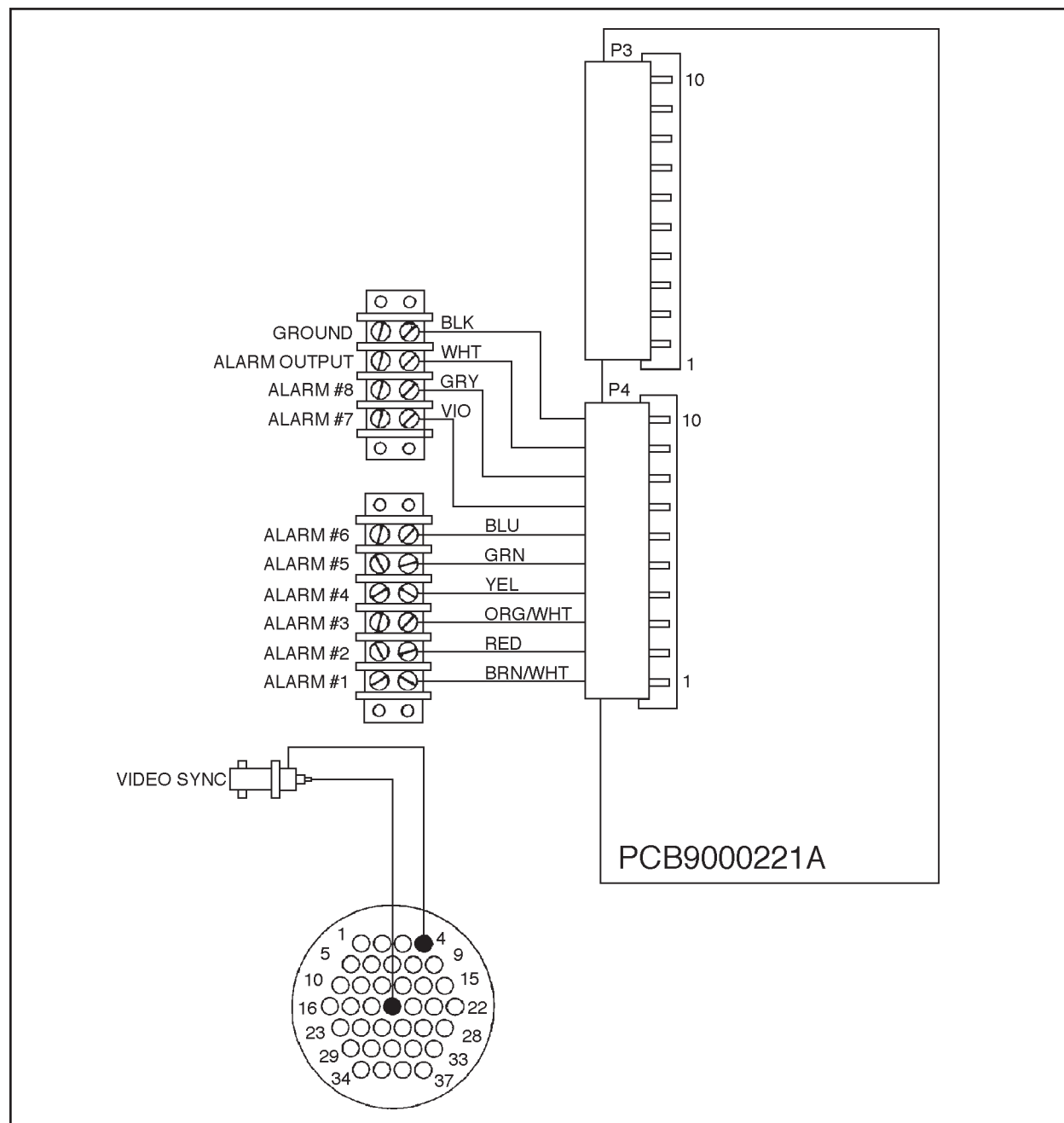
**Figure 8.** Wiring Diagram for ED2520-SL/ED2720-SL Dome Drives



### 3.3.3 Video Synchronization, Alarm Terminal Diagram

Follow the diagram in Figure 11, for appropriate video synchronization and alarm terminal wiring installation.

The following wiring diagram illustrates the configuration of an additional four-position and six-position alarm terminal strip and additional video synchronization connection. These terminal strips are factory installed as standard features on ED2520RX-PP, ED2520SL-RX/PP, ED2720RX-PP and ED2720SL-RX/PP models.



**Figure 11.** Four-position and Six-position Alarm Terminal Strips and Video Synch Connection

## 4.0 PAN/TILT LIMIT ADJUSTMENTS

**CAUTION:** DO NOT attempt to adjust limit stops when the pan/tilt is in operation. Damage to the equipment can result. Do not operate equipment without limit stops.

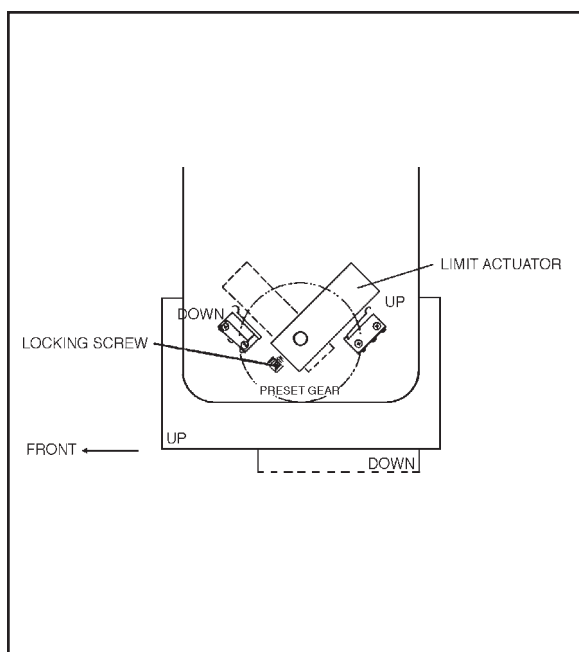
To adjust limit stops, perform the following steps:

1. Pan to the right using the joystick control until the desired pan limit is reached. Remove the drive unit from the back box and adjust the pan limit stop until it clicks the limit switch. Lock the limit stop into position and replace pan/tilt. (See Figure 13.)
2. Pan left to the desired stop location and follow the limit stop adjusting procedure outlined in step #1.
3. Pan left and right to verify that the limit stops have been positioned properly.
4. The tilt table is designed to move  $-90^\circ$  from the horizontal plane. Note that the tilt adjustment must never be adjusted beyond the  $8$  to  $-90^\circ$  boundaries.

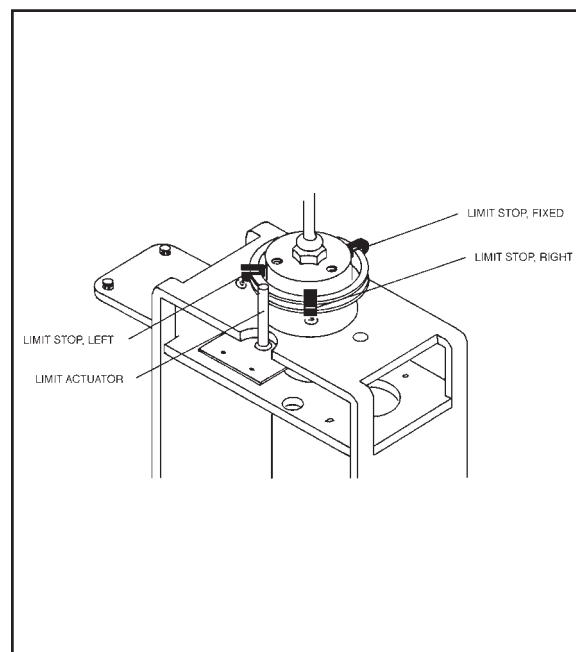
5. Loosen the limit stop actuator (shown in Figure 12). Use the joystick to move the tilt table to the maximum tilt-up location and then move the limit stop actuator until it clicks the tilt-up limit switch. Then lock the limit stop actuator by tightening the locking screw.
6. Tilt up and down to verify position of the tilt table.

### **Note:**

- Factory pan limits are set to  $0$ - $355^\circ$  and tilt limits are set to  $0$ - $90^\circ$  (horizontal to vertical).
- Under normal conditions, the tilt limits should not have to be reset.
- SL models feature the  $360^\circ$  pan option and are not supplied with pan limit stops, therefore, only the tilt limits can be adjusted.
- Pan and tilt spindles are not corrosion protected and will show signs of corrosion deposit. This is a normal condition and will not affect the performance of the unit.



**Figure 12.** Tilt Limit Stop Modification



**Figure 13.** Pan Limit Stop Locations

## 5.0 CARE AND MAINTENANCE

Regularly scheduled maintenance will prolong the operational life and appearance of the equipment.

**IMPORTANT:** The lower dome of the ED25 environmental dome is an optical surface. When cleaning the inner surface of the dome and viewing window, treat as carefully as you would a fine camera lens.

1. If dust or other debris accumulates on the inside of the lower dome, remove them with clean air pressure. Compressed air cans are available from photographic equipment dealers.

**WARNING:** Do not use water, liquid or spray cleaners of any kind on coated inner surfaces of the dome.

2. Clean the outer surface of the dome and the inner surface of the viewing window with a nonabrasive cleaning cloth and antistatic cleaner that is safe for use on acrylic plastics. Do not use kerosene or similar substances that can scratch the surface.

## 6.0 SERVICE AND REPAIR

### 6.1 RECOMMENDED EQUIPMENT AND TOOLS

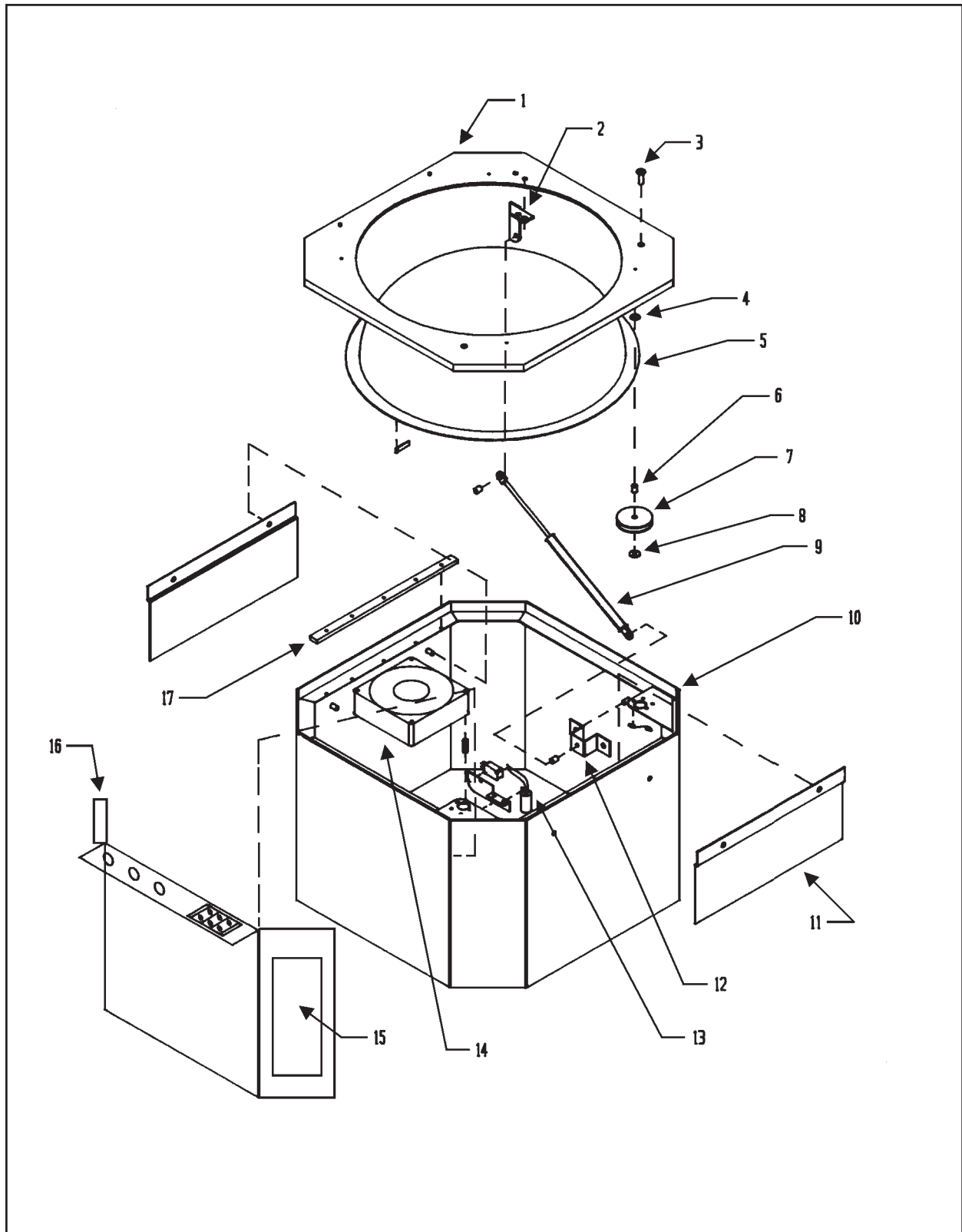
1. Voltmeter or ohmmeter
2. Allen wrench set
3. Wrench set
4. Screwdriver
5. Pliers, long nose

### 6.2 SERVICE TIPS

Some common problems encountered with pan/tilt systems include mis-wiring, overloading, and not using the units for the correct application. Should a failure occur, it is recommended that the following procedures be used.

1. If the pan/tilt ceases to operate, turn the control unit off and remove the supply circuit from the unit.
2. Check the fuse in the control unit using either a voltmeter or ohmmeter. If open (blown), replace with the proper recommended fuse.
3. Connect the supply circuit and turn the control on. If the fuse continues to open (blow), disconnect the power from the unit.
4. Check the control cable between the control unit and pan/tilt for shorts, high resistance, or opens.
5. If shorts are not found in the control cable, consult the factory for further assistance.

## 7.0 EXPLODED ASSEMBLY DIAGRAM



**Figure 14.** ED25/ED26/ED27 Series Enclosure Exploded Assembly Diagram

## 8.0 MECHANICAL PARTS LIST

The following parts list corresponds to the exploded assembly diagram in Figure 14.

<u>Item</u>	<u>Quantity</u>	<u>Description</u>	<u>Part Number</u>
1	1	Enclosure front plate assembly	ED25001003ASSY
2	1	Lower shock mount	ED25004005COMP
3	2	Closing fasteners	ED2510000
4, 8	8	Nylon washer	SB310005
5	1	Dome	ED254004COMP
6	4	Roller insert	SB310007
7	4	Dome roller	SB34020COMP
	4	Roller "O" Ring (not shown)	ED210100
9	1	Gas shock	EH450010020
10	1	Back box assembly (ED25/ED26 only)	ED25001000ASSY
	1	Back box for ED27 Series only (not shown)	ED241000WA
11	2	Heater Bracket	ED25004006COMP
11A	4	Heater Blanket, 120/230 VAC (not shown)	EHWD10087
12	1	Lower shock bracket	ED25004004COMP
	2	Spacer	SPA8542
13		Light assembly	
	1	Lamp holder	ED210020
	1	Lamp, 120 VAC	LAP7C7
		Lamp, 230 VAC	LAP10S6/10
	1	Switch	SWIV3L
14	1	Blower	EH18013
	4	Fan spacer	SPA8404
15	1	Terminal input circuit board	PCB9000255EASSY
	1	Terminal input circuit board, 230 VAC only	PCB9000255A
16	1	Mounting plate	ED25004011COMP
17	1	Hinge spacer	ED25004010COMP

## 9.0 PAN/TILT ELECTRICAL PARTS LIST

<u>Schematic ID</u>	<u>Description</u>	<u>Part Number</u>
C1–C2	Capacitor, 15 MFD, 100V	CAPU0015.0/100N
J1	Input connector	CON206044-1
–	Mating input connector	CONA37S
J2	Lens connector	CONMAB6100
	Lens connector (SL and PP models)	CON206705-1
–	Lens mating connector	CONMAS6100
	Lens mating connector (PP models only)	CON206708-1
PCB	Interconnecting PCB	PCB3000100
Slip Ring	Slip Ring (SL models only)	28010000
S1–S4	Limit switches	SWI1SM1
M1	Pan motor	PT350010010
M2	Tilt motor	2508001
Tilt Pot	Preset pot, tilt	POTP010.0K
Pan Pot	Preset pot, pan	POTP010.0K
	Preset pot, pan (SL models only)	POTDARM010.0K



## 10.0 MODELS

ED25	14" diameter environmental dome fixed camera mount. Black opaque lower dome has smoked viewing window (1 f-stop light loss). (CE)
ED25-1	Same as ED25 except supplied with service light and heater/blower.
ED2520	14" diameter environmental dome with black opaque lower dome with smoked viewing window and integral pan/tilt. Heater/blower and service light are standard features. (CE, UL)
ED2520-RX	Same as ED2520 except supplied with Coaxitron receiver/driver.
ED2520-RX-3	Same as ED2520-RX except 230 VAC input.
ED2520-WX	Same as ED2520 except supplied with Wiretron receiver/driver.
ED2520-SL	Same as ED2520 except supplied with SL option (360° pan setting). (CE)
ED2520SL-RX	Same as ED2520-SL except supplied with Coaxitron receiver/driver. (UL)
ED2520SL-WX	Same as ED2520-SL except supplied with Wiretron receiver/driver.
ED2520-PP	Same as ED2520 except supplied with preset pan/tilt. (CE)
*ED2520RX-PP	Same as ED2520-PP except supplied with Coaxitron receiver/driver.
ED2520SL-PP	Same as ED2520-SL except supplied with preset pan/tilt. (CE)
*ED2520SL-RX/PP	Same as ED2520SL-PP except supplied with Coaxitron receiver/driver.
ED2620	14" diameter pendant mount environmental dome with black opaque lower dome with smoked viewing window and integral pan/tilt for hard-wired applications. Heaters, blower and light are standard features. Must be used with PMED25 pendant mount. (CE)

ED2620-PP	Same as ED2620 except supplied with preset (PP) pan/tilt. (CE)
ED2620-SL	Same as ED2620 except supplied with SL option (360° pan setting). (CE)
ED27	14" diameter environmental dome with fixed camera mount and integral mount arm. Black opaque lower dome with 1 f-stop smoked viewing window. (UL)
ED27-1	Same as ED27 except supplied with service light and factory-installed heater and blower. (UL)
ED2720	14" diameter environmental dome with integral mount arm. Dome equipped with service light, pre-wired integral pan/tilt and heater/blower. (CE, UL)
ED2720-PP	Same as ED2720 except supplied with preset (PP) pan/tilt. (CE)
ED2720-RX	Same as ED2720 except supplied with Coaxitron receiver/driver.
ED2720-RX-3	Same as ED2720-RX except 230 VAC input.
*ED2720RX-PP	Same as ED2720-RX except supplied with preset (PP) pan/tilt.
ED2720-WX	Same as ED2720 except supplied with Wiretron receiver/driver.
ED2720-SL	Same as ED2720 except supplied with SL pan/tilt (360° pan rotation). (CE)
ED2720SL-PP	Same as ED2720-SL except supplied with preset (PP) pan/tilt. (CE)
ED2720SL-RX	Same as ED2720-SL except supplied with Coaxitron receiver/driver. (UL)
*ED2720SL-RX/PP	Same as ED2720SL-RX except supplied with preset (PP) pan/tilt.
ED2720SL-WX	Same as ED2720-SL except supplied with Wiretron receiver/driver.

**\* NOTE:** Equipped with 4-position and 6-position alarm terminal strips and video synchronization connection.

## 11.0 SPECIFICATIONS

### **MECHANICAL**

#### **Pan/Tilt**

Pan Rotation:	0-355° horizontal 0-360° horizontal (SL models only)
Pan Speed:	24°/sec ± 1 degree (no load condition)
Tilt Rotation:	-90° movement from horizontal plane
Tilt Speed:	12°/sec ± .5 degree (no load condition)
Gearing:	Chain and direct drive
Bearings:	Pan — Ball bearing and bronze oilite bushings Tilt — Bronze oilite bushings
Braking:	Friction

### **ELECTRICAL**

#### **Pan/Tilt**

Input Voltage:	24 VAC, 50/60 Hz
vA Required for Pan:	7.2 vA
vA Required for Tilt:	9.1 vA
Maximum Current:	2 amps per conductor (SL models only)
Limit Switches:	5 amp, 250 VAC
Motors:	Continuous duty reversing induction type
Power Cable	
Conductor Requirements:	
Pan/Tilt	10 conductors
Lens	6 conductors
Camera	2 conductors

#### **Connectors**

Pan/Tilt:	Pre-wired AMP CPC, 37 pins
Lens:	
Non-PP models:	Hirschmann MAB6100, mate provided
PP models:	AMP CPC, 9 socket, mate provided
Video:	Standard BNC
Camera Sync:	Standard BNC
Camera Power:	Spade lugs

### **Enclosure**

The following specifications apply to these models:

**ED25-1, ED2520, ED2520-SL, ED2520-PP, ED2520SL-PP, ED2620, ED2620-SL, ED27-1, ED2720, ED2720-SL, ED2720SL-PP**

Input Voltage:	120 VAC, 50/60 Hz
vA Required:	187 vA
Blower:	80 cfm at 13 watts (continuous operation)
Heaters:	Four (4) at 40 watts each. Heaters are thermostatically controlled to activate ON @ 40°F (4.5°C) and OFF @ 60°F (15.6°C)
Service Light:	7 watts
Pwr Cable Required:	3 conductor, 18 Awg (not supplied)

The following specifications apply to these models:

**ED2520-RX, ED2520-RX-3, ED2520-WX, ED2520SL-RX, ED2520SL-WX, ED2520RX-PP, ED2520SL-RX/PP, ED2720-RX, ED2720-RX-3, ED2720-WX, ED2720SL-RX, ED2720SL-WX, ED2720RX-PP, ED2720SL-RX/PP**

Input Voltage:	120 VAC or 230 VAC, 50/60 Hz
vA Required:	247 vA
Blower:	80 cfm at 13 watts (continuous operation)
Heaters:	Four (4) at 40 watts each. Heaters are thermostatically controlled to activate ON @ 40°F (4.5°C) and OFF @ 60°F (15.6°C)
Service Light:	7 watts
Pwr Cable Required:	3 conductor, 18 Awg (not supplied)

## **GENERAL**

### **Enclosure**

Max. Camera/Lens

Length: 12.50"L x 4.50"W x 3.25"H  
(31.75cm x 11.43cm x 8.25cm)

Construction:

Back Box 0.080" aluminum  
Viewing Window Optically clear acrylic which has  
been tinted, rated UL94HB.  
(Less than 1 f-stop light loss.)

Finish: Semigloss beige,  
self-textured baked enamel

Environment: Outdoor

Dimensions: See Figure 1

Ambient Operating

Temperature Range: -10° to 120°F (-23° to 49°C)

### **Pan/Tilt**

Maximum Load: 10 lbs (4.6 kg)

Construction: 0.025" aluminum frame

*(Product specifications subject to change without  
notice.)*

## **11.1 RECOMMENDED MOUNTS/ CONTROLS**

For information on recommended mounts and controls, please contact Pelco for a copy of specification sheet C437.

## **WEIGHTS**

	<u>Back Box</u>	<u>Mount</u>	<u>Pan/Tilt</u>	<u>Rec./Driver</u>	<u>Unit</u>
ED25	18 lbs (8.16 kg)	3 lbs (1.36 kg)	—	—	21 lbs (9.52 kg)
ED25-1	19 lbs (8.61 kg)	3 lbs (1.36 kg)	—	—	22 lbs (9.97 kg)
ED2520, ED2620	19 lbs (8.61 kg)	—	8 lbs (3.63 kg)	—	27 lbs (12.25 kg)
ED2520-RX, RX-3 or WX	19 lbs (8.61 kg)	—	8 lbs (3.63 kg)	10 lbs (4.54 kg)	37 lbs (16.78 kg)
ED2520-SL, ED2620-SL	19 lbs (8.61 kg)	—	9 lbs (4.08 kg)	—	28 lbs (12.70 kg)
ED2520-PP, ED2620-PP	19 lbs (8.61 kg)	—	9 lbs (4.08 kg)	—	28 lbs (12.70 kg)
ED2520SL-PP	19 lbs (8.61 kg)	—	9 lbs (4.08 kg)	—	28 lbs (12.70 kg)
ED2520SL-RX or -W	19 lbs (8.61 kg)	—	9 lbs (4.08 kg)	10 lbs (4.54 kg)	38 lbs (17.24 kg)
ED2520RX-PP	19 lbs (8.61 kg)	—	9 lbs (4.08 kg)	11 lbs (4.98 kg)	39 lbs (17.69 kg)
ED2520SL-RX/PP	19 lbs (8.61 kg)	—	9 lbs (4.08 kg)	11 lbs (4.98 kg)	39 lbs (17.69 kg)
ED27	23 lbs (10.43 kg)	3 lbs (1.36 kg)	—	—	26 lbs (11.79 kg)
ED27-1	24 lbs (10.89 kg)	3 lbs (1.36 kg)	—	—	27 lbs (12.25 kg)
ED2720	24 lbs (10.89 kg)	—	10 lbs (4.54 kg)	—	34 lbs (15.42 kg)
ED2720-PP	24 lbs (10.89 kg)	—	10 lbs (4.54 kg)	—	34 lbs (15.42 kg)
ED2720-RX, RX-3, WX	24 lbs (10.89 kg)	—	10 lbs (4.54 kg)	11 lbs (4.98 kg)	45 lbs (20.41 kg)
ED2720-SL	24 lbs (10.89 kg)	—	10 lbs (4.54 kg)	—	34 lbs (15.42 kg)
ED2720SL-PP	24 lbs (10.89 kg)	—	10 lbs (4.54 kg)	—	34 lbs (15.42 kg)
ED2720SL-RX or WX	24 lbs (10.89 kg)	—	10 lbs (4.54 kg)	11 lbs (4.98 kg)	45 lbs (20.41 kg)
ED2720SL-RX/PP	24 lbs (10.89 kg)	—	10 lbs (4.54 kg)	11 lbs (4.98 kg)	45 lbs (20.41 kg)

## 12.0 WARRANTY AND RETURN INFORMATION

### WARRANTY

Pelco will repair or replace, without charge, any merchandise proved defective in material or workmanship for a period of one year after the date of shipment.

Exceptions to this warranty are as noted below:

- Five years on FT/FR8000 Series fiber optic products.
- Three years on Genex® Series products (multiplexers, server, and keyboard).
- Three years on Camclosure® and fixed camera models, except the CC3701H-2, CC3701H-2X, CC3751H-2, CC3651H-2X, MC3651H-2, and MC3651H-2X camera models, which have a five-year warranty.
- Two years on standard motorized or fixed focal length lenses.
- Two years on Legacy®, CM6700/CM6800/CM9700 Series matrix, and DF5/DF8 Series fixed dome products.
- Two years on Spectra®, Esprit®, ExSite™, and PS20 scanners, including when used in continuous motion applications.
- Two years on Esprit® and WW5700 Series window wiper (excluding wiper blades).
- Eighteen months on DX Series digital video recorders, NVR300 Series network video recorders, and Endura™ Series distributed network-based video products.
- One year (except video heads) on video cassette recorders (VCRs). Video heads will be covered for a period of six months.
- Six months on all pan and tilts, scanners or preset lenses used in continuous motion applications (that is, preset scan, tour and auto scan modes).

Pelco will warrant all replacement parts and repairs for 90 days from the date of Pelco shipment. All goods requiring warranty repair shall be sent freight prepaid to Pelco, Clovis, California. Repairs made necessary by reason of misuse, alteration, normal wear, or accident are not covered under this warranty.

Pelco assumes no risk and shall be subject to no liability for damages or loss resulting from the specific use or application made of the Products. Pelco's liability for any claim, whether based on breach of contract, negligence, infringement of any rights of any party or product liability, relating to the Products shall not exceed the price paid by the Dealer to Pelco for such Products. In no event will Pelco be liable for any special, incidental or consequential damages (including loss of use, loss of profit and claims of third parties) however caused, whether by the negligence of Pelco or otherwise.

The above warranty provides the Dealer with specific legal rights. The Dealer may also have additional rights, which are subject to variation from state to state.

If a warranty repair is required, the Dealer must contact Pelco at (800) 289-9100 or (559) 292-1981 to obtain a Repair Authorization number (RA), and provide the following information:

1. Model and serial number
2. Date of shipment, P.O. number, Sales Order number, or Pelco invoice number
3. Details of the defect or problem If there is a dispute regarding the warranty of a product which does not fall under the warranty conditions stated above, please include a written explanation with the product when returned.

Method of return shipment shall be the same or equal to the method by which the item was received by Pelco.



This equipment contains electrical or electronic components that must be recycled properly to comply with Directive 2002/96/EC of the European Union regarding the disposal of waste electrical and electronic equipment (WEEE). Contact your local dealer for procedures for recycling this equipment.

### RETURNS

In order to expedite parts returned to the factory for repair or credit, please call the factory at (800) 289-9100 or (559) 292-1981 to obtain an authorization number (CA number if returned for credit, and RA number if returned for repair).

All merchandise returned for credit may be subject to a 20% restocking and refurbishing charge.

Goods returned for repair or credit should be clearly identified with the assigned CA or RA number and freight should be prepaid. Ship to the appropriate address below.

If you are located within the continental U.S., Alaska, Hawaii or Puerto Rico, send goods to:

Service Department  
Pelco  
3500 Pelco Way  
Clovis, CA 93612-5699

If you are located outside the continental U.S., Alaska, Hawaii or Puerto Rico and are instructed to return goods to the USA, you may do one of the following:

If the goods are to be sent by a COURIER SERVICE, send the goods to:

Pelco  
3500 Pelco Way  
Clovis, CA 93612-5699 USA

If the goods are to be sent by a FREIGHT FORWARDER, send the goods to:

Pelco c/o Expeditors  
473 Eccles Avenue  
South San Francisco, CA 94080 USA  
Phone: 650-737-1700  
Fax: 650-737-0933